

12. (Amended) An automatic transmission according to any one of claims 1 to 3, further comprising

a2 a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

Please add the following new claims:

--23. An automatic transmission according to claim 4, wherein torque ratio transferred from said 1st axis to said 2nd axis by said 1st gear group, said torque transferring mechanism and said 2nd gear group is one or more.

24. An automatic transmission according to claim 5, wherein torque ratio transferred from said 1st axis to said 2nd axis by said 1st gear group, said torque transferring mechanism and said 2nd gear group is one or more.

25. An automatic transmission according to claim 4, wherein the gear engaged with one of said drive gears fixed to said first axis is provided on another axis different from said first axis and said second axis,

further comprising a motor generator for driving and regenerating, and a torque transferring mechanism for adjusting the torque transfer between said gear and said motor generator.

26. An automatic transmission according to claim 5, wherein the gear engaged with one of said drive gears fixed to said first axis is provided on another axis different from said first axis and said second axis,

further comprising a motor generator for driving and regenerating, and a torque transferring mechanism for adjusting the torque transfer between said gear and said motor generator.

27. An automatic transmission according to claim 6, wherein the gear engaged with one of said drive gears fixed to said first axis is provided on another axis different from said first axis and said second axis,

further comprising a motor generator for driving and regenerating, and a torque transferring mechanism for adjusting the torque transfer between said gear and said motor generator.

28. An automatic transmission according to claim 23, wherein the gear engaged with one of said drive gears fixed to said first axis is provided on another axis different from said first axis and said second axis,

further comprising a motor generator for driving and regenerating, and a torque transferring mechanism for adjusting the torque transfer between said gear and said motor generator.

29. An automatic transmission according to claim 24, wherein the gear engaged with one of said drive gears fixed to said first axis is provided on another axis different from said first axis and said second axis,

further comprising a motor generator for driving and regenerating, and a torque transferring mechanism for adjusting the torque transfer between said gear and said motor generator.

30. An automatic transmission according to claim 25, wherein the motor engaged with said transmission is started by said motor generator.

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31. An automatic transmission according to claim 26, wherein the motor engaged with said transmission is started by said motor generator.

32. An automatic transmission according to claim 27, wherein the motor engaged with said transmission is started by said motor generator.

33. An automatic transmission according to claim 28, wherein the motor engaged with said transmission is started by said motor generator.

34. An automatic transmission according to claim 29, wherein the motor engaged with said transmission is started by said motor generator.

35. An automatic transmission according to claim 25, wherein the driving force source of said motor generator is transferred to said second axis while shifting.

36. An automatic transmission according to claim 26, wherein the driving force source of said motor generator is transferred to said second axis while shifting.

37. An automatic transmission according to claim 27, wherein the driving force source of said motor generator is transferred to said second axis while shifting.

38. An automatic transmission according to claim 28, wherein the driving force source of said motor generator is transferred to said second axis while shifting.

39. An automatic transmission according to claim 29, wherein the driving force source of said motor generator is transferred to said second axis while shifting.

40. An automatic transmission according to claim 4, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

41. An automatic transmission according to claim 5, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism

provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

42. An automatic transmission according to claim 6, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

43. An automatic transmission according to claim 7, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

44. An automatic transmission according to claim 8, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

45. An automatic transmission according to claim 9, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

46. An automatic transmission according to claim 10, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

47. An automatic transmission according to claim 23, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

48. An automatic transmission according to claim 24, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism

provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

49. An automatic transmission according to claim 25, further comprising

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a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

50. An automatic transmission according to claim 26, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

51. An automatic transmission according to claim 27, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

52. An automatic transmission according to claim 28,
further comprising

a motor generator for generating the driving force source
and regenerating the torque, and a transferring mechanism
provided between wheels to which the torque of said transmission
is not transferred and the motor generator, for transferring and
interrupting the torque.

53. An automatic transmission according to claim 29,
further comprising

a motor generator for generating the driving force source
and regenerating the torque, and a transferring mechanism
provided between wheels to which the torque of said transmission
is not transferred and the motor generator, for transferring and
interrupting the torque.

54. An automatic transmission according to claim 30,
further comprising

a motor generator for generating the driving force source
and regenerating the torque, and a transferring mechanism
provided between wheels to which the torque of said transmission
is not transferred and the motor generator, for transferring and
interrupting the torque.

55. An automatic transmission according to claim 31,
further comprising

a motor generator for generating the driving force source
and regenerating the torque, and a transferring mechanism

provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

56. An automatic transmission according to claim 32, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

57. An automatic transmission according to claim 33, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.

58. An automatic transmission according to claim 34, further comprising

a motor generator for generating the driving force source and regenerating the torque, and a transferring mechanism provided between wheels to which the torque of said transmission is not transferred and the motor generator, for transferring and interrupting the torque.--